

## **REMARKS**

Reconsideration is respectfully requested in view of any changes to the claims and the remarks herein. Please contact the undersigned to conduct a telephone interview in accordance with MPEP 713.01 to resolve any remaining requirements and/or issues prior to sending another Office Action. Relevant portions of MPEP 713.01 are included on the signature page of this amendment.

### **Claim Objections**

As suggested by the Office Action, Applicants have indicated the status of claims 1-23, 27-85, 91-95.

Claims 112, 117-121, 128, 132, 141, 152, 158, 159, 162, 208, 268, 291, 298, 356, 357, and 408 have been amended to fix typographical errors. Thus, no new matter has been added.

Claims 209-211, 213-227, 231-267, 299-301, 303-305, 308-311, 314-317, 323-325, 328-331, 334-337, 339-342, 345-348, 351-354, 387-389, 391-393, 396-399, 402-405, 410-413, 416-419, 422-425, 464-466, 469-471, 475, 476, and 478 have been objected to. Applicants have amended these claims to be in accordance MPEP § 608.01(n). In addition, Applicants have amended claim 460 to be in proper form.

Regarding claims 231, 266, and 267, the Office Action states these claims as improper as a multiple dependent claim depending from a multiple dependent claim. However, Applicants point out that claims 231, 266, and 267 refer to independent claims and are not improper.

The newly added claims 486-610 have been rewritten to correct the multiple dependency objection:

New claim 486 recites the limitations of claim 209, but depends from claim 208.

New claims 487 and 488 recite content of claims 210 and 211 respectively, but depend on new claim 486.

New claims 489-493 recites the limitations of claim 213, but depends from claims 208-212 respectively.

New claim 494 recites the limitations of claim 214, but depends from claim 208.

New claim 495 recites the limitations of claim 215, but depends on 494.

New claim 496 recites the limitations of claim 216, but depends from claim 208. New claim 497 recites the limitations of claim 217.

New claims 498-502 recite the limitations of claim 218, but depends from claim 208- 212 respectively.

New claims 503-507 recite the limitations of claim 219, but depends from new claims 499-502 respectively.

New claim 508 recites the limitations of claim 220, but depends from claim 208.

New claim 509 recites the limitations of claim 221, but depends from new claim 508.

New claim 510 recites the limitations of claim 222, but depends from new claim 496.

New claim 511 recites the limitations of claim 223, but depends from new claim 510.

New claim 512 recites the limitations of claim 224, but depends from claim 208.

New claim 513 recites the limitations of claim 225, but depends from new claim 512.

New claim 514 recites the limitations of claim 227, but depends from claim 208.

New claims 515-519 recite the limitations of claim 232, but depend from claims 208-212.

New claims 520- 524 recite the limitations of claim 249, but depend from claims 208-212.

New claim 525 recites the limitations of claim 299, but depends from claim 298.

New claim 526 recites the limitations of claim 300, but depends from new claim 525.

New claim 527 recites the limitations of claim 301, but depends from new claim 525.

New claims 528-532 recite the limitations of claim 303, but depend from 298-302 respectively.

New claims 533-537 recite the limitations of claim 304, but depend from 298-302 respectively.

New claims 538-542 recite the limitations of claim 305, but depend from 533-537 respectively.

New claims 543-547 recite the limitations of claim 308, but depend from 298-302 respectively.

New claims 548-552 recite the limitations of claim 309, but depend from new claims 543-547 respectively.

New claim 553 recites the limitations of claim 310, but depend from claim 298.

New claim 554 recites the limitations of claim 314, but depends from claim 298.

New claim 555 recites the limitations of claim 315, but depends from new claim 554.

New claim 556 recites the limitations of claim 317, but depends from claim 298.

New claims 557-561 recite the limitations of claim 339, but depends from claims 298-302 respectively.

New claim 562 recites the limitations of claim 387, but depends from claim 386.

New claim 563 recites the limitations of claim 388, but depends from new claim 562.

New claim 564 recites the limitations of claim 389, but depends from new claim 562.

New claims 567-570 recite the limitations of claim 391, but depend from claims 386-389 respectively.

New claim 571 recites the limitations of claim 392, but depends from claim 386.

New claim 572 recites the limitations of claim 393, but depends from new claim 571.

New claims 573-576 recite the limitations of claim 396, but depend from claims 386-389 respectively.

New claims 577-580 recite the limitations of claim 397, but depend from claims 386-389 respectively.

New claim 581 recites the limitations of claim 398, but depends from claim 386.

New claim 582 recites the limitations of claim 402, but depends from claim 386.

New claim 583 recites the limitations of claim 403, but depends from new claim 582.

New claim 584 recites the limitations of claim 405, but depends from claim 386.

New claims 585-589 recite the limitations of claim 410, but depend from claims 386-389, and 391 respectively.

New claim 590 recites the limitations of claim 460, but depends from claim 459.

New claim 591 recites the limitations of claim 461, but depends from new claim 590.

New claim 592 recites the limitations of claim 462, but depends from new claim 590.

New claims 593-596 recite the limitations of claim 464, but depend from claims 459-462 respectively.

New claim 597 recites the limitations of claim 465, but depends from claim 459.

New claim 598 recites the limitations of claim 466, but depends from new claim 597.

New claims 599-602 recite the limitations of claim 469, but depend from claims 459-462 respectively.

New claims 603-606 recite the limitations of claim 470, but depend from claims 459-462 respectively.

New claim 607 recites the limitations of claim 471, but depends from claim 459.

New claim 608 recites the limitations of claim 475, but depends from claim 459.

New claim 609 recites the limitations of claim 476, but depends from new claim 608.

New claim 610 recites the limitations of claim 478, but depends from claim 459.

No new matter has been added.

### **Claim Rejections- 35 U.S.C. § 112**

Claims 183, 231, 272, 273, 318-321, 361, 377, 409, 450, 462, and 485 have been rejected by the Office Action as being indefinite under 35. U.S.C. § 112, second paragraph. Applicants believe claim 462 is proper, however, Applicants have found additional claims 199 and 482 to have similar issues.

Regarding claims 183, 273, and 361, Applicants have added "greater than or equal to 26°K" to the claims.

Regarding claims 199, 231, 289, 321, 377, 409, 450, and 482, Applicants have added "a property which make it essentially a rare earth element" to the claims.

Regarding claims 272, 318, 319, and 320, Applicants have amended the claims to recite "...applying a magnetic field to cause substantially zero resistance..." in order to correct the lack of antecedent basis for "the magnetic field".

Regarding claim 485, Applicants have amended the claim to recite "wherein said method comprises a method of fabricating said structure in a manufacturing method" to clarify the step as suggested by the Office Action.

No new matter has been added. Thus, Applicants respectfully request withdrawal of the rejection.